Sequencing Specialist/シークエンシングスペシャリスト

募集職種

採用企業名
学校法人 沖縄科学技術大学院大学学園

求人ID
1600525

業種
教育・学校

雇用形態
契約

勤務地
沖縄県, 国頭郡恩納村

給与
経験考慮の上、応相談

更新日
2026年11月18日 12:00

応募必要条件

職務経験
3年以上

キャリアレベル
中途経験者レベル

英語レベル
日常会話レベル

日本語レベル
ビジネス会話レベル

最終学歴
大学院卒： 修士号/博士号

現在のビザ
日本での就労許可は必要ありません

募集要項

The OIST Core Facilities contribute to research and education by providing excellent common research facilities and research support services for the researchers and students at OIST.

The Sequencing Section (SQC) within the Core Facilities provides sequencing services using high-throughput sequencers, also known as next-generation sequencers (NGS) and single molecule sequencers, in multiple applications. The samples are not only from model organisms but also from a wide range of non-model organisms, from wildlife species to bacteria. Currently, the section has the following high-throughput sequencers: Illumina NovaSeq X Plus, Illumina NextSeq1000, Illumina MiSeq, Illumina iSeq, PacBio Revio, Oxford Nanopore MinION, and Oxford Nanopore PromethION. In addition to DNA/RNA sequencing, we are planning to introduce the latest multi-omics analysis technologies such as spatial biology and proteomics, aiming to build a more comprehensive research support system. The section owns also manages capillary sequencers, real-time PCR, pulsed-field gel electrophoresis system, automatic DNA/RNA extraction system, automated electrophoresis system etc., for common use.

The OIST Sequencing Section seeks a highly motivated and team-oriented technical staff to expand the university's sequencing capability. The principal responsibility of the positions will be to support OIST researchers with sequencing needs by providing consultation on research projects and experimental protocols, accepting DNA, RNA, and various tissue samples, preparing libraries, operating the latest sequencers, performing quality checks on sequencing data, and submitting the data to requesters. Additionally, the position requires staying current with the latest trends in multi-omics technologies to

enhance our research support capabilities. Experienced Specialists will also be required to assist in the overall management of the Section., including the implementation and operation of automation systems for handling multiple samples and streamlining processes from service consultation to payment processing. In addition to the sequencing services, responsibilities include troubleshooting common equipment managed by the Sequencing Section and responding to users and vendors.

In addition to internal use, OIST core facilities plan to start offering access to shared equipment for external use by research and educational institutions, private companies in Okinawa Prefecture, as well as domestic and international collaborating universities starting from the fiscal year 2024. This initiative aims to enhance the research and development environment in Okinawa and across Japan, contributing to the advancement of science and technology.

Responsibilities

1. Support OIST researchers in sequencing to include:
    - Provide consultation to researchers on experimental protocols and sequencing strategies based on their research purposes
    - Accept and prepare DNA, RNA and various tissue samples for sequencing library
    - Operate the latest DNA sequencers and submit collected data to researchers
    - Commit to troubleshooting and resolving technical issues related to sequencing experiments
2. Collect and share the latest IT and sequencing trends with section members to improve the Section's service quality.
3. Carry out routine cleaning and maintenance of sequencers and tools within the sequencing facility.
4. Other related duties as assigned by the Sequencing Section Leader.
5. Standardization of the existing experimental protocols.
6. Networking with external specialists for improvement and enhancement of the Section's operations.
7. Spearhead a selection of new equipment and reagents.
8. For experienced Specialist, improvement of existing work processes and proposals, development, and implementation of new operating workflows.
9. For experienced Specialist, new business and technology development.

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1. A master's degree or equivalent in a scientific or technical field.
2. Experience with scientific research is required.
3. Understanding the principles of molecular biology.
4. Ability to think logically and work systematically and accurately.
5. Ability to effectively communicate and provide customer-oriented service to researchers in both Japanese and English with written and spoken.
6. Must be fair, sincere, and honest, with a strong commitment to teamwork and the ability to mentor and coach less experienced colleagues.
7. Ability to judge priorities and run multiple tasks and projects in parallel under minimum supervision by the section leader.

(Preferred)

1. Experience in automating experiments or improving operational efficiency using strong IT skills.
2. Experience working for a related company.

A minimum of 3 years of experience in using the latest sequencing technologies either as a researcher, technical staff or research support staff.

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